

10/796,466

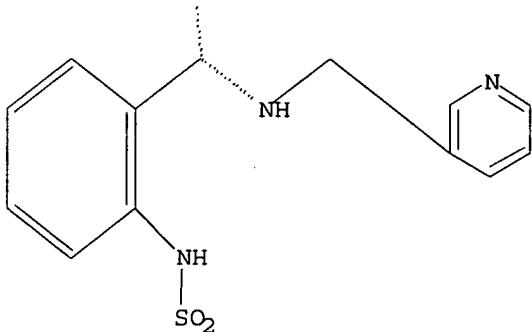
=> file caplus
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FILE COVERS 1907 - 14 Apr 2005 VOL 142 ISS 16
FILE LAST UPDATED: 13 Apr 2005 (20050413/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 30 SEA FILE=REGISTRY SSS FUL L1

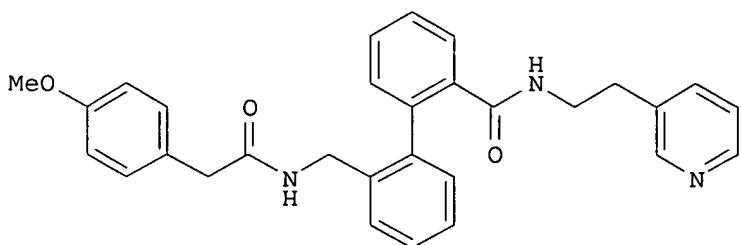
L4 5 SEA FILE=CAPLUS L3

=> d 14 1-5 ibib abs hitstr

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2005:220139 CAPLUS
DOCUMENT NUMBER: 142:274017
TITLE: Combination of phenylcarboxylic acid amides with β-adrenoreceptor blockers and their use for the treatment of atrial arrhythmias
INVENTOR(S): Wirth, Klaus; Brendel, Joachim; Goegelein, Heinz
PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany
SOURCE: U.S. Pat. Appl. Publ., 14 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005054673	A1	20050310	US 2004-932431	20040901
DE 10341233	A1	20050324	DE 2003-10341233	20030908
WO 2005025674	A1	20050324	WO 2004-EP9837	20040903
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			DE 2003-10341233	A 20030908
			US 2004-537612P	P 20040120

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AB The invention discloses the combination of one or more β -blockers and one or more Kv1.5 blockers, in particular phenylcarboxamides, and/or physiol. tolerable salts thereof, and the use of the combination for the treatment or prophylaxis of atrial arrhythmias. Preparation of e.g. I is described.

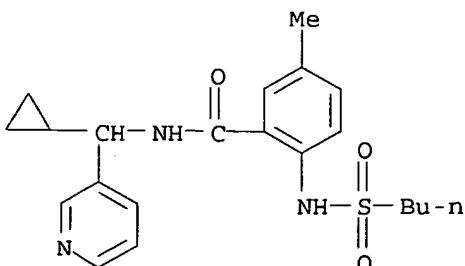
IT 474450-31-2P 767334-89-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(phenylcarboxylic acid amide combination with β -adrenoreceptor blocker for treatment of atrial arrhythmia)

RN 474450-31-2 CAPLUS

CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl- (9CI) (CA INDEX NAME)

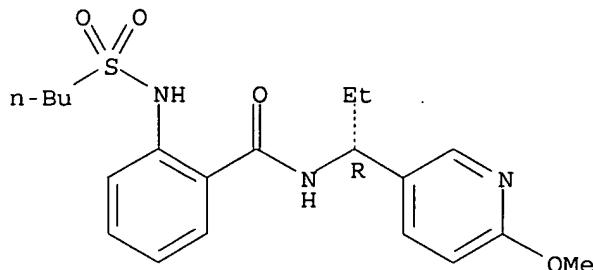


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RN 767334-89-4 CAPLUS

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



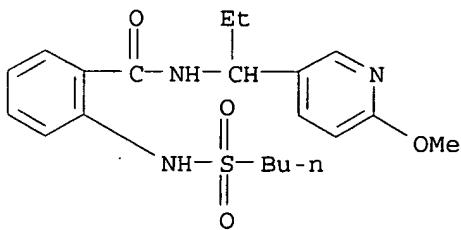
IT 474450-36-7P 767334-94-1P

RL: PUR (Purification or recovery); SPN (Synthetic preparation); PREP (Preparation)

(phenylcarboxylic acid amide combination with β -adrenoreceptor blocker for treatment of atrial arrhythmia)

RN 474450-36-7 CAPLUS

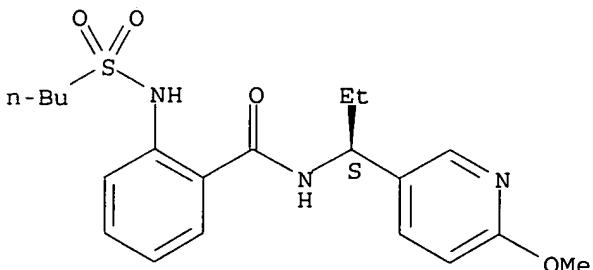
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



RN 767334-94-1 CAPLUS

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:800761 CAPLUS

DOCUMENT NUMBER: 141:314175

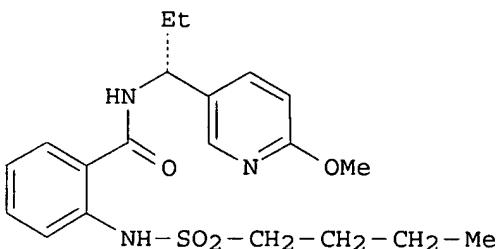
TITLE: Preparation of 2-(butyl-1-sulfonylamino)-N-[(1(R)- (6-methoxy-pyridin-1)-propyl]benzamide as a Kvl.5

10/796,466

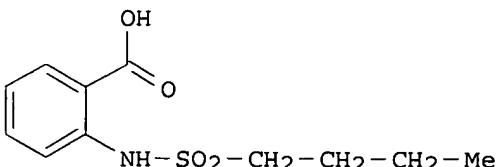
INVENTOR(S) : potassium channel blocker
Brendel, Joachim; Goegelein, Heinz; Wirth, Klaus;
Kuerzel, Gert Ulrich
PATENT ASSIGNEE(S) : Aventis Pharma Deutschland GmbH, Germany
SOURCE : Ger. Offen., 10 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10312073	A1	20040930	DE 2003-10312073	20030318
WO 2004083157	A1	20040930	WO 2004-EP2247	20040305
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004192738	A1	20040930	US 2004-796466	20040309
PRIORITY APPLN. INFO.: DE 2003-10312073 A 20030318 US 2003-492637P P 20030805				

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I



II

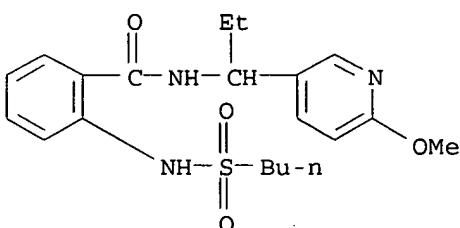
AB Title compound I was prepared via the coupling of 1R-(6-methoxypyridin-3-yl)propylamine and benzoic acid II, e.g., prepared from 2-aminobenzoic acid and 1-butanesulfonyl chloride, afforded claimed aminosulfonylcarboxamide I. In Kv1.5 potassium flow inhibition assays, the IC₅₀ value of aminosulfonylcarboxamide I was 10 µM. Compound I is claimed useful for the treatment of atrial fibrillation and atrial flutter.

IT 474450-36-7P 767334-89-4P 767334-94-1P

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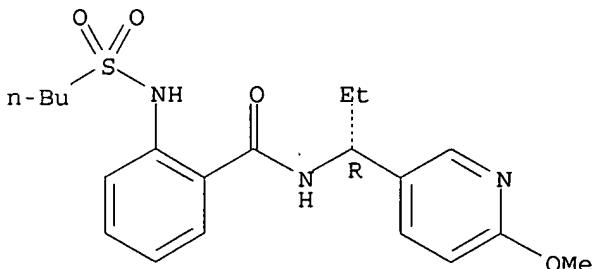
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 2-(butyl-1-sulfonylamino)-N-[1(R)-(6-methoxy-pyridin-1)-propyl]benzamide as a Kv1.5 potassium channel blocker)

RN 474450-36-7 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



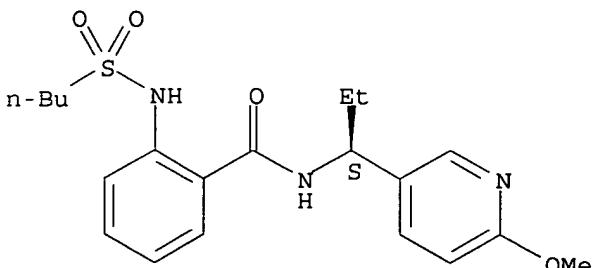
RN 767334-89-4 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 767334-94-1 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



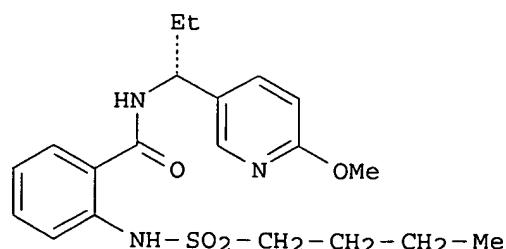
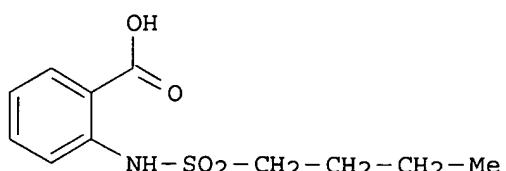
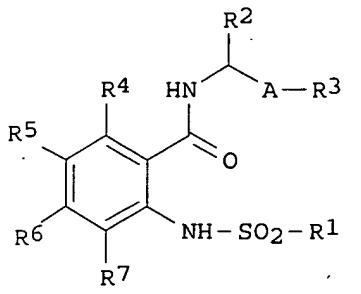
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2004:800760 CAPLUS
DOCUMENT NUMBER: 141:314015

TITLE: Preparation of 2-aminosulfonylcarboxamides and related compounds as Kv1.5 potassium channel blockers
 INVENTOR(S): Brendel, Joachim; Wirth, Klaus; Goegelein, Heinz;
 Allessie, Maurits; Blaauw, Y.
 PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany
 SOURCE: Ger. Offen., 25 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10312061	A1	20040930	DE 2003-10312061	20030318
WO 2004082716	A1	20040930	WO 2004-EP2246	20040305
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005038083	A1	20050217	US 2004-796894	20040309
PRIORITY APPLN. INFO.:			DE 2003-10312061	A 20030318
			US 2003-492640P	P 20030805

OTHER SOURCE(S): MARPAT 141:314015
 GI



AB Title compds. I [R1 = alkyl, quinolinyl; R2 = alkyl, cyclopropyl; R3 =

(un)substituted Ph, pyridyl (sic); A = C₂H₂n; n = 0-2; R₄, R₅, R₆, R₇ = H, halo, CF₃, etc.) and their pharmaceutically acceptable salts were prepared. For example, coupling of 1-(6-methoxypyridin-3-yl)propylamine and benzoic acid II, e.g., prepared from 2-aminobenzoic acid and 1-butanesulfonyl chloride, followed by chiral HPLC purification afforded claimed aminosulfonylcarboxamide III. In Kv1.5 potassium flow inhibition assays, 7-examples of compds. I exhibited IC₅₀ values ranging from 0.2-10 μM, e.g., the IC₅₀ value of aminosulfonylcarboxamide III was 10 μM. Compds. I are claimed useful for the treatment of atrial fibrillation and atrial flutter.

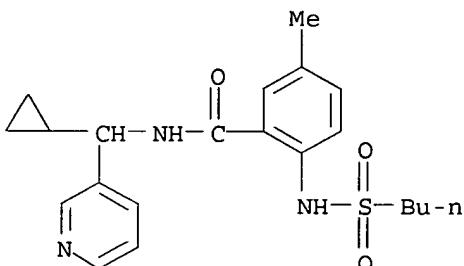
IT 474450-31-2P 474450-36-7P 767334-89-4P
767334-94-1P 767334-98-5P 767334-99-6P
767335-00-2P 767335-01-3P 767335-02-4P
767335-03-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-aminosulfonylcarboxamides and related compds. as Kv1.5 potassium channel blockers)

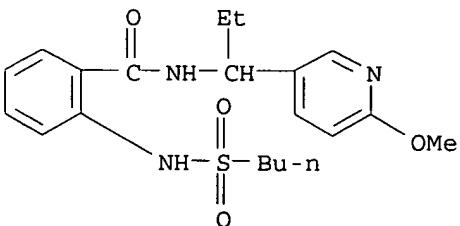
RN 474450-31-2 CAPLUS

CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl- (9CI) (CA INDEX NAME)



RN 474450-36-7 CAPLUS

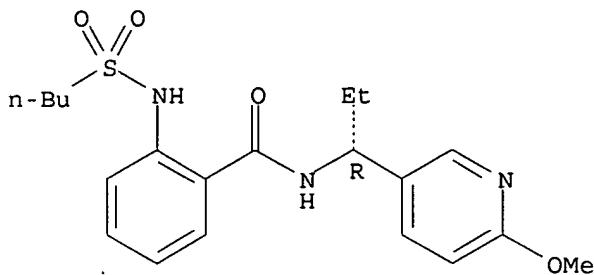
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



RN 767334-89-4 CAPLUS

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

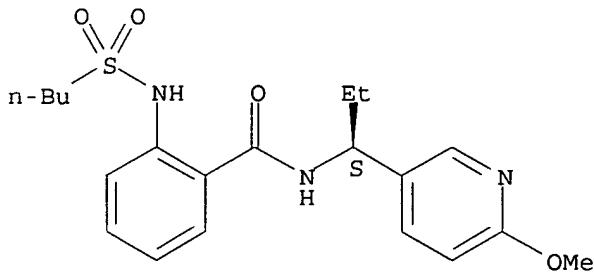
Absolute stereochemistry.



RN 767334-94-1 CAPLUS

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 767334-98-5 CAPLUS

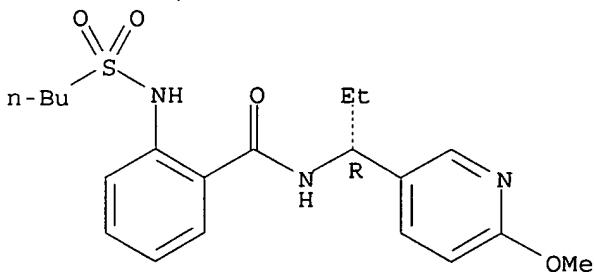
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]-, compd. with N-[4-[4-(ethylheptylamino)-1-hydroxybutyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 767334-89-4

CMF C20 H27 N3 O4 S

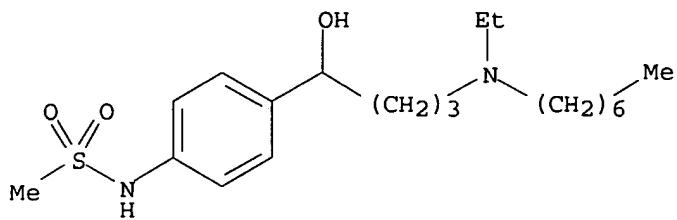
Absolute stereochemistry.



CM 2

CRN 122647-31-8

CMF C20 H36 N2 O3 S



RN 767334-99-6 CAPLUS

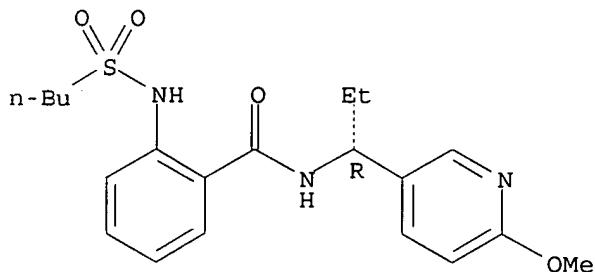
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]-, compd. with N-[4-[2-[4-[(methylsulfonyl)amino]phenoxy]ethyl]amino]ethyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 767334-89-4

CMF C20 H27 N3 O4 S

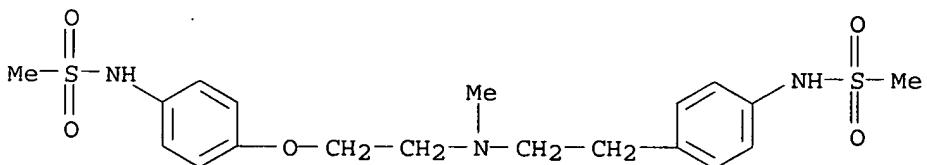
Absolute stereochemistry.



CM 2

CRN 115256-11-6

CMF C19 H27 N3 O5 S2



RN 767335-00-2 CAPLUS

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]-, compd. with (2-butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone (1:1) (9CI) (CA INDEX NAME)

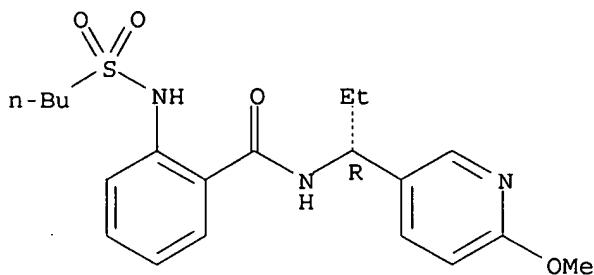
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CRN 767334-89-4

CMF C20 H27 N3 O4 S

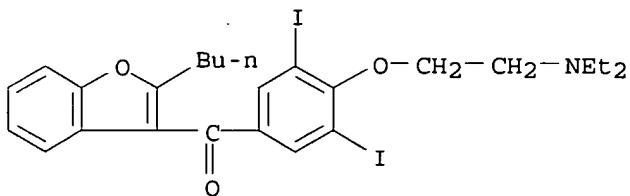
Absolute stereochemistry.

10/796, 466



CM 2

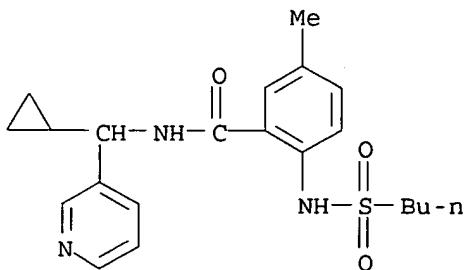
CRN 1951-25-3
CMF C25 H29 I2 N O3



RN 767335-01-3 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino] -N- (cyclopropyl-3-pyridinylmethyl) -5- methyl-, compd. with N-[4-[4-(ethylheptylamino)-1-hydroxybutyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

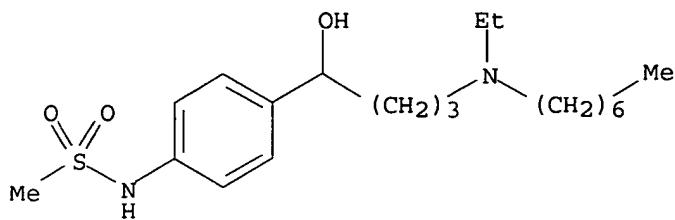
CM 1

CRN 474450-31-2
CMF C21 H27 N3 O3 S



CM 2

CRN 122647-31-8
CMF C20 H36 N2 O3 S



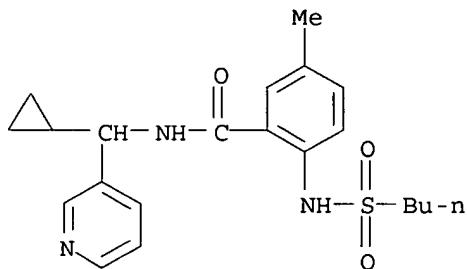
RN 767335-02-4 CAPLUS

CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl-, compd. with N-[4-[2-[4-[(methylsulfonyl)amino]phenoxy]ethyl]amino]ethylphenylmethanesulfonamide (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 474450-31-2

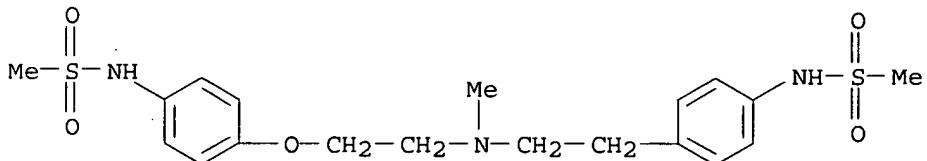
CMF C21 H27 N3 O3 S



CM 2

CRN 115256-11-6

CMF C19 H27 N3 O5 S2



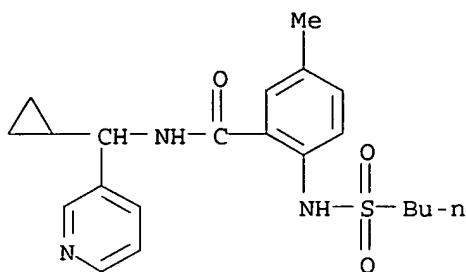
RN 767335-03-5 CAPLUS

CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl-, compd. with (2-butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone (1:1) (9CI) (CA INDEX NAME)

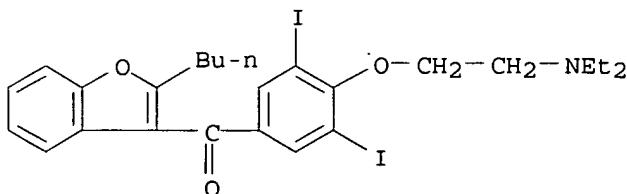
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CRN 474450-31-2

CMF C21 H27 N3 O3 S



CM 2

CRN 1951-25-3
CMF C25 H29 I2 N O3

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

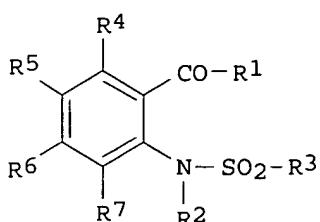
L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2002:964322 CAPLUS
 DOCUMENT NUMBER: 138:24550
 TITLE: Preparation of anthranilic acid amides as antiarrhythmics
 INVENTOR(S): Brendel, Joachim; Boehme, Thomas; Peukert, Stefan; Kleemann, Heinz-Werner
 PATENT ASSIGNEE(S): Aventis Pharma Deutschland G.m.b.H., Germany
 SOURCE: PCT Int. Appl., 102 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002100825	A2	20021219	WO 2002-EP5956	20020531
WO 2002100825	A3	20031211		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
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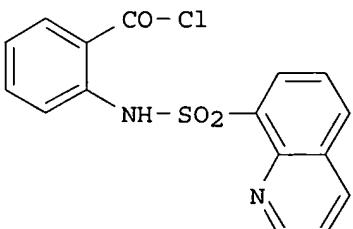
EE 200300558	A 20040216	EE 2003-558	20020531
EP 1399423	A2 20040324	EP 2002-745333	20020531
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BR 2002010374	A 20040713	BR 2002-10374	20020531
JP 2004533464	T2 20041104	JP 2003-503594	20020531
US 2003114499	A1 20030619	US 2002-166595	20020612
ZA 2003008520	A 20040906	ZA 2003-8520	20031031
BG 108415	A 20040730	BG 2003-108415	20031204
PRIORITY APPLN. INFO.:		DE 2001-10128331	A 20010612
		WO 2002-EP5956	W 20020531

OTHER SOURCE(S): MARPAT 138:24550

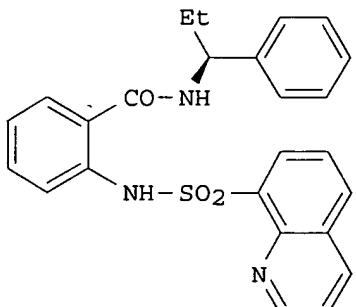
GI



I



II



III

AB Title compds. I [R1 = NR8-C(R9)(R10)-A-O-E-R11, NR8-C(R9)(R12)-A-D-E-R11, NR13-C(R9)(R10)-A-D-E-R11, etc.; A = CnH2n; n = 0-5; D = bond, O; E = CmH2m; m = 0-5; R8 = H, alkyl, CpH2p-R14; p = 0-5; R14 = (un)substituted Ph, naphthyl, heteroaryl, etc.; R9 = H, alkyl; R10 = H, alkyl, (un)substituted Ph, etc.; R11 = cycloalkyl, (un)substituted Ph, naphthyl, etc.; R12 = alkyl, alkenyl, cycloalkyl, etc.; R13 = CpH2p-R14; R2 = H, alkyl; R3 = (un)substituted heteroaryl; R4, R5, R6, R7 = H, halo, CF3, etc.] and their pharmaceutically acceptable salts were prepared. For example, coupling of acid chloride II, e.g., prepared from anthranilic acid in 2-steps, and (S)-1-phenylpropylamine afforded amide III. Compds. I act upon the Kv1.5 potassium channel and inhibit a potassium flow described as ultra-rapidly activating delayed rectifier in the human cardiac atrium.

IT 478263-07-9P 478263-12-6P 478263-72-8P

478263-77-3P 478263-84-2P

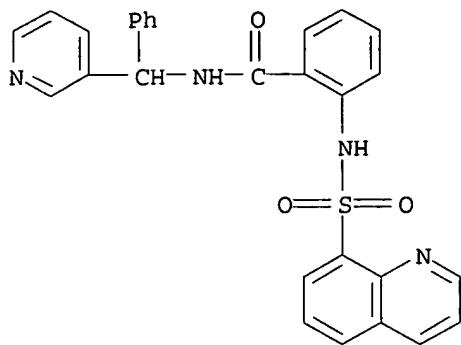
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of anthranilic acid amides as antiarrhythmics)

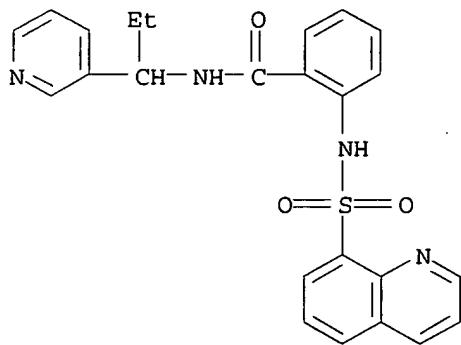
RN 478263-07-9 CAPLUS

CN Benzamide, N-(phenyl-3-pyridinylmethyl)-2-[(8-quinolinylsulfonyl)amino]-(9CI) (CA INDEX NAME)

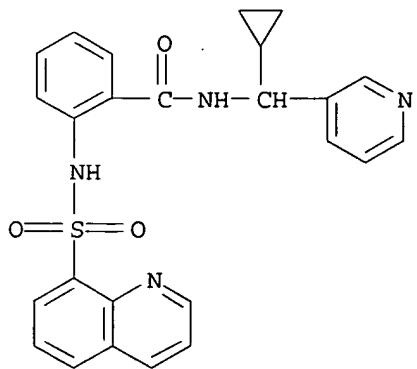
10/796, 466



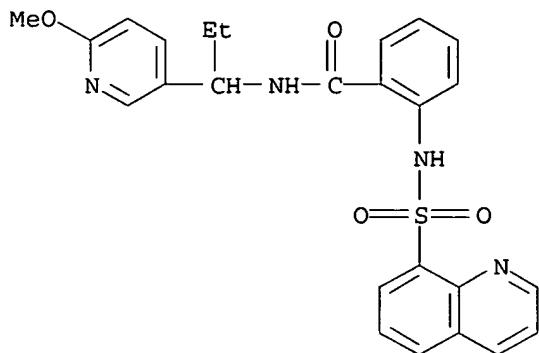
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CN Benzamide, N-[1-(3-pyridinyl)propyl]-2-[(8-quinolinylsulfonyl)amino]-
(9CI) (CA INDEX NAME)



RN 478263-72-8 CAPLUS
CN Benzamide, N-(cyclopropyl-3-pyridinylmethyl)-2-[(8-
quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)

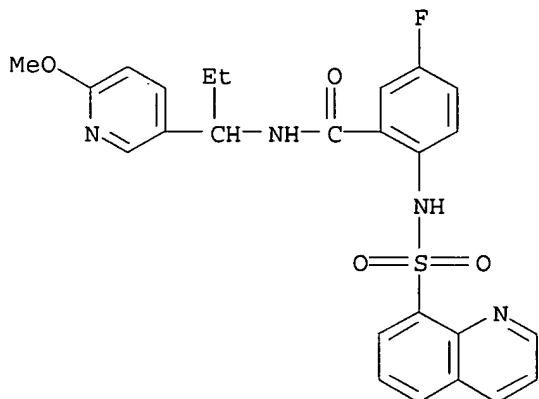


RN 478263-77-3 CAPLUS
CN Benzamide, N-[1-(6-methoxy-3-pyridinyl)propyl]-2-[(8-
quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



RN 478263-84-2 CAPLUS

CN Benzamide, 5-fluoro-N-[1-(6-methoxy-3-pyridinyl)propyl]-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2002:849582 CAPLUS

DOCUMENT NUMBER: 137:352782

TITLE: Preparation of anthranilic acid amides as antiarrhythmics

INVENTOR(S): Brendel, Joachim; Pirard, Bernard; Peukert, Stefan; Kleemann, Heinz-Werner; Hemmerle, Horst

PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Germany

SOURCE: PCT Int. Appl., 111 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

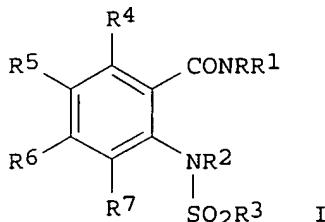
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,			

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 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 DE 10121003 A1 20021219 DE 2001-10121003 20010428
 CA 2445341 AA 20021107 CA 2002-2445341 20020413
 EP 1385820 A1 20040204 EP 2002-742898 20020413
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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 EE 200300529 A 20040216 EE 2003-529 20020413
 BR 2002009185 A 20040803 BR 2002-9185 20020413
 JP 2004527557 T2 20040909 JP 2002-585377 20020413
 US 2003187033 A1 20031002 US 2002-132163 20020426
 ZA 2003006991 A 20040831 ZA 2003-6991 20030908
 BG 108215 A 20040930 BG 2003-108215 20030930
 NO 2003004751 A 20031113 NO 2003-4751 20031023
 PRIORITY APPLN. INFO.: DE 2001-10121003 A 20010428
 WO 2002-EP4138 W 20020413

OTHER SOURCE(S): MARPAT 137:352782
 GI



AB Title compds. [I; R = H, C1-4 alkyl, CpH2pR14, etc.; p = 0-5; R14 = cycloalkyl(substituted) (hetero)aryl; R1 = (branched) (unsatd.) (substituted) O-interrupted alkyl; R2 = H, C1-4 alkyl; R3 = C3-7 alkyl, C3-7 cycloalkyl, (substituted) naphthyl, Ph; R4-R7 = F, Cl, Br, I, CF3, OCF3, OCHF2, NO2, cyano, CO2Me, CONH2, COMe, OH, C1-4 alkyl, C1-4 alkoxy, N(Me)2, SO2NH2, NHSO2Me], were prepared Thus, 0.6 mmol 2-phenylsulfonylamino-5-chlorobenzoyl chloride (preparation given) was added to a mixture of 0.66 mmol S-(-)-1-methylbenzylamine and 0.9 mmol Et3N in CH2Cl2 followed by stirring over night at room temperature to give 61 mg (S)-2-phenylsulfonylamino-5-chloro-N-(1-phenylethyl)benzamide. I act upon the Kv1.5 potassium channel and inhibit a potassium flow described as ultra-rapidly activating delayed rectifier in the human cardiac atrium. Tested I inhibited human Kv1.5 potassium flow in oocytes of Xenopus laevis with IC50 = 0.3->10 μM. β -Blockers and IKs-channel blockers can be used for the tablet formulation.

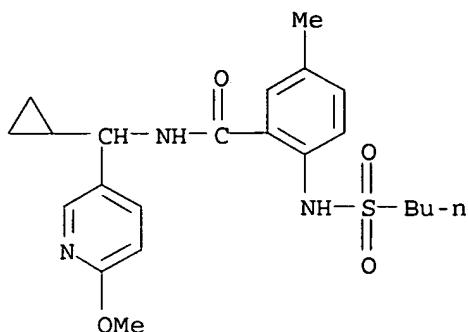
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 474450-33-4P 474450-36-7P 474450-38-9P
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

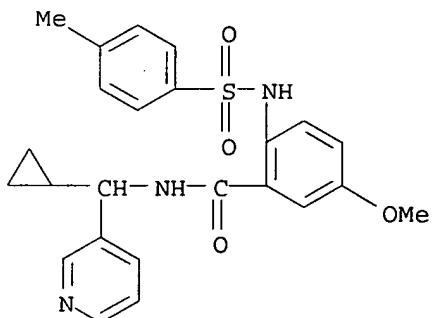
(preparation of anthranilic acid amides as antiarrhythmics)

RN 474450-28-7 CAPLUS

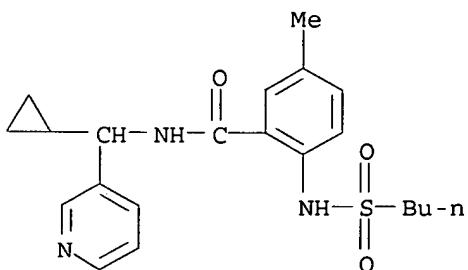
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[cyclopropyl(6-methoxy-3-pyridinyl)methyl]-5-methyl- (9CI) (CA INDEX NAME)



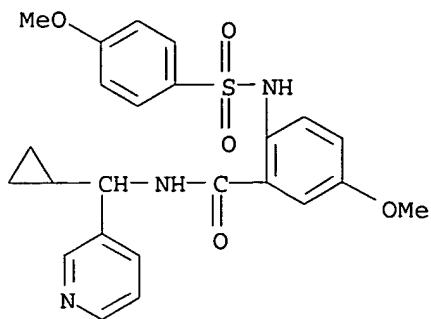
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CN Benzamide, N-(cyclopropyl-3-pyridinylmethyl)-5-methoxy-2-[(4-methylphenyl)sulfonyl]amino]- (9CI) (CA INDEX NAME)



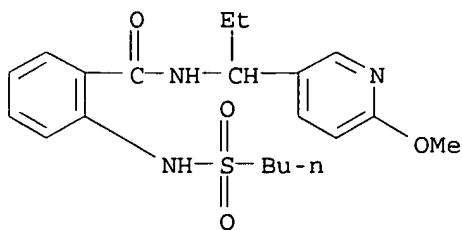
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CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl- (9CI) (CA INDEX NAME)



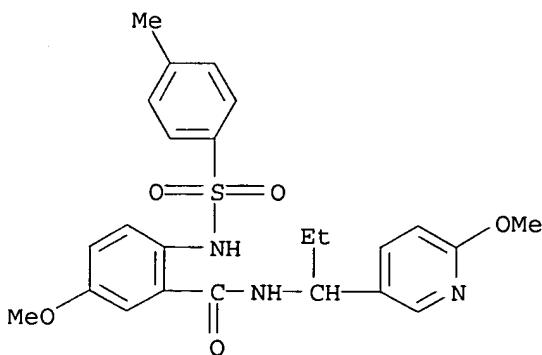
RN 474450-33-4 CAPLUS
CN Benzamide, N-(cyclopropyl-3-pyridinylmethyl)-5-methoxy-2-[(4-methoxyphenyl)sulfonyl]amino]- (9CI) (CA INDEX NAME)



RN 474450-36-7 CAPLUS
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]-(9CI) (CA INDEX NAME)

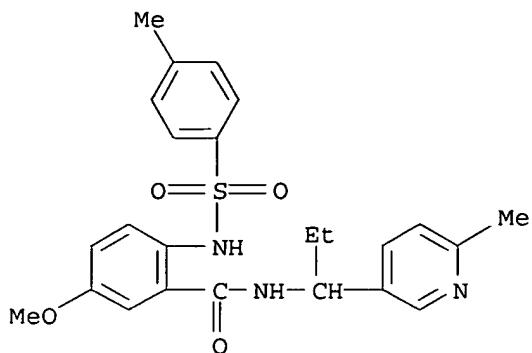


RN 474450-38-9 CAPLUS
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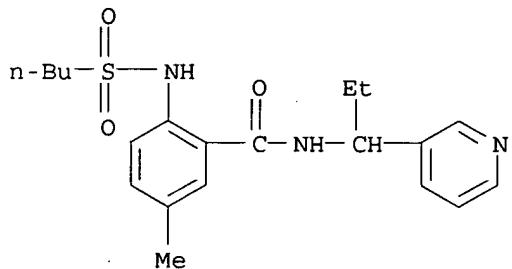
RN 474450-40-3 CAPLUS
CN Benzamide, 5-methoxy-2-[[[(4-methylphenyl)sulfonyl]amino]-N-[1-(6-methyl-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

10/796,466



RN 474450-43-6 CAPLUS

CN Benzamide, 2-[(butylsulfonyl)amino]-5-methyl-N-[1-(3-pyridinyl)propyl]-
(9CI) (CA INDEX NAME)



REFERENCE COUNT:

8

THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> => file uspatall

FILE 'USPATFULL' ENTERED AT 10:24:02 ON 14 APR 2005

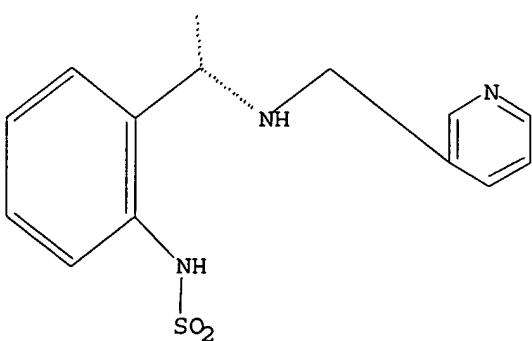
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 10:24:02 ON 14 APR 2005

CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

=> d que

L1 STR



Structure attributes must be viewed using STN Express query preparation.

10/796,466

L3 30 SEA FILE=REGISTRY SSS FUL L1
L5 5 SEA L3

=> d 15 1-5 ibib abs hitstr

L5 ANSWER 1 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2005:63631 USPATFULL
TITLE: Combination of phenylcarboxylic acid amides with
 beta-adrenoreceptor blockers and their use for the
 treatment of atrial arrhythmias
INVENTOR(S): Wirth, Klaus, Kriftel, GERMANY, FEDERAL REPUBLIC OF
 Brendel, Joachim, Bad Vilbel, GERMANY, FEDERAL REPUBLIC
 OF
 Goegelein, Heinz, Frankfurt, GERMANY, FEDERAL REPUBLIC
 OF
PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Frankfurt am Main,
 GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005054673	A1	20050310
APPLICATION INFO.:	US 2004-932431	A1	20040901 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2003-10341233	20030908
	US 2004-537612P	20040120 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ROSS J. OEHLER, AVENTIS PHARMACEUTICALS INC., ROUTE 202-206, MAIL CODE: D303A, BRIDGEWATER, NJ, 08807	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	954	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the combination of one or more beta-blockers
 and of one or more Kv1.5 blockers, in particular phenylcarboxamides of
 the formula 1a and/or 1b ##STR1##

and/or physiologically tolerable salts thereof, and the use of the
combination for the treatment or prophylaxis of atrial arrhythmias.

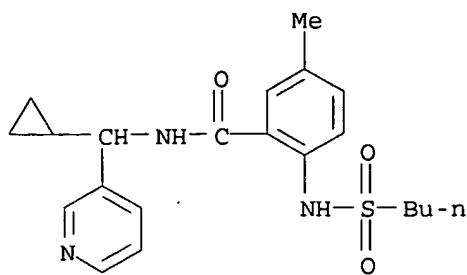
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 474450-31-2P 767334-89-4P

(phenylcarboxylic acid amide combination with β-adrenoreceptor
blocker for treatment of atrial arrhythmia)

RN 474450-31-2 USPATFULL

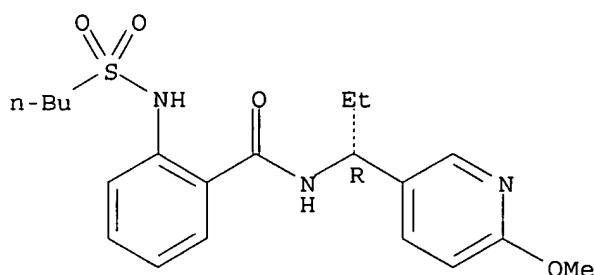
CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-
 methyl- (9CI) (CA INDEX NAME)



RN 767334-89-4 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

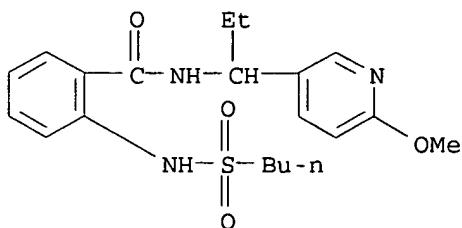


IT 474450-36-7P 767334-94-1P

(phenylcarboxylic acid amide combination with β-adrenoreceptor blocker for treatment of atrial arrhythmia)

RN 474450-36-7 USPATFULL

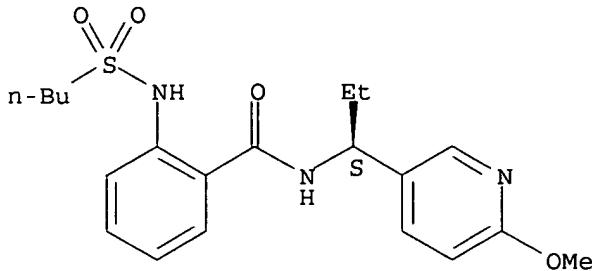
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



RN 767334-94-1 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 2 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2005:44350 USPATFULL

TITLE: Combination of phenylcarboxamides with blockers of the IKr channel and their use for the treatment of atrial arrhythmias

INVENTOR(S): Brendel, Joachim, Bad Vilbel, GERMANY, FEDERAL REPUBLIC OF
Wirth, Klaus, Kriftel, GERMANY, FEDERAL REPUBLIC OF
Goeglein, Heinz, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
Allessie, Maurits, Maastricht, NETHERLANDS
Blaauw, Yuri, Maastricht, NETHERLANDS

PATENT ASSIGNEE(S): Aventis Pharma Deutschland GmbH, Frankfurt am Main, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION:	US 2005038083	A1	20050217
APPLICATION INFO.:	US 2004-796894	A1	20040309 (10)

NUMBER DATE

PRIORITY INFORMATION:	DE 2003-10312061	20030318
	US 2003-492640P	20030805 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: ROSS J. OEHLER, AVENTIS PHARMACEUTICALS INC., ROUTE 202-206, MAIL CODE: D303A, BRIDGEWATER, NJ, 08807

NUMBER OF CLAIMS: 12

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 2 Drawing Page(s)

LINE COUNT: 1216

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to the combination of one or more IK_r channel blockers and of one or more Kv1.5 blockers, in particular phenyl-carboxamides of the formula Ia or Ib ##STR1##

or pharmaceutically tolerable salts thereof, and the use of the combination for the treatment of atrial arrhythmias.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 474450-31-2P 474450-36-7P 767334-89-4P

767334-94-1P 767334-98-5P 767334-99-6P

767335-00-2P 767335-01-3P 767335-02-4P

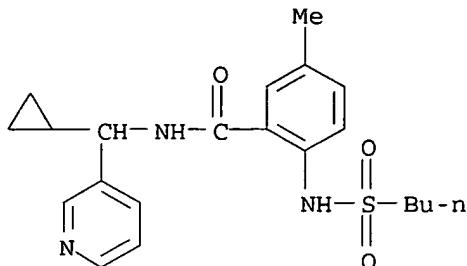
767335-03-5P

(preparation of 2-amino sulfonylcarboxamides and related compds. as Kv1.5 potassium channel blockers)

RN 474450-31-2 USPATFULL

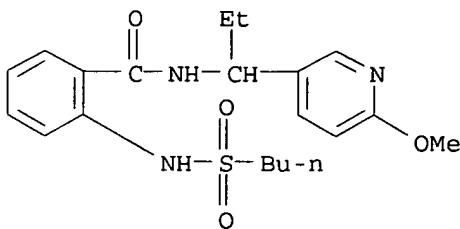
10/796,466

CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl- (9CI) (CA INDEX NAME)



RN 474450-36-7 USPATFULL

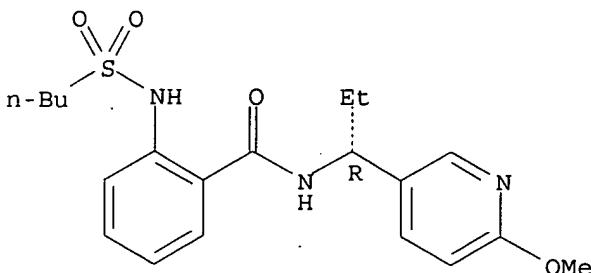
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



RN 767334-89-4 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

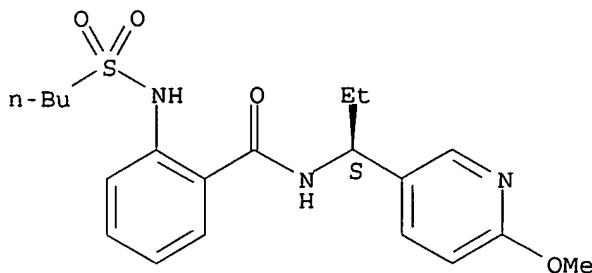
Absolute stereochemistry.



RN 767334-94-1 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 767334-98-5 USPATFULL

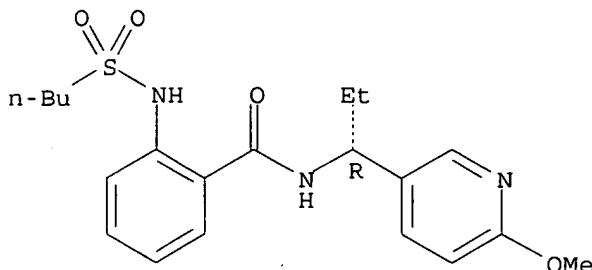
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]-, compd. with N-[4-[4-(ethylheptylamino)-1-hydroxybutyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 767334-89-4

CMF C20 H27 N3 O4 S

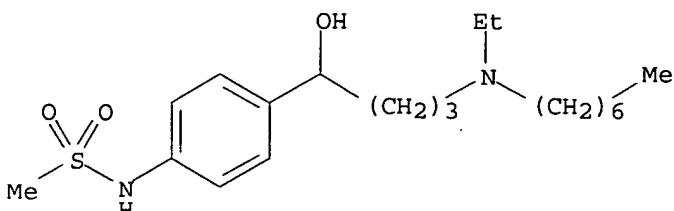
Absolute stereochemistry.



CM 2

CRN 122647-31-8

CMF C20 H36 N2 O3 S



RN 767334-99-6 USPATFULL

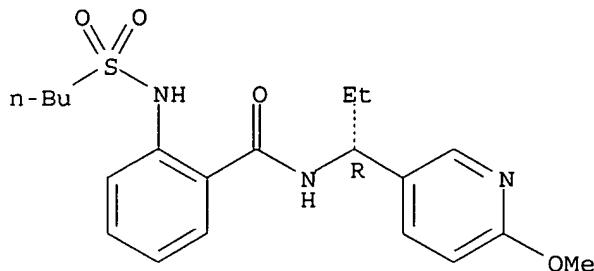
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]-, compd. with N-[4-[2-[methyl[2-[4-[(methylsulfonyl)amino]phenoxy]ethyl]amino]ethyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

CM 1

10/796, 466

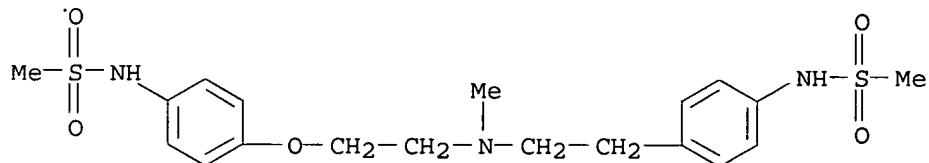
CRN 767334-89-4
CMF C20 H27 N3 O4 S

Absolute stereochemistry.



CM 2

CRN 115256-11-6
CMF C19 H27 N3 O5 S2



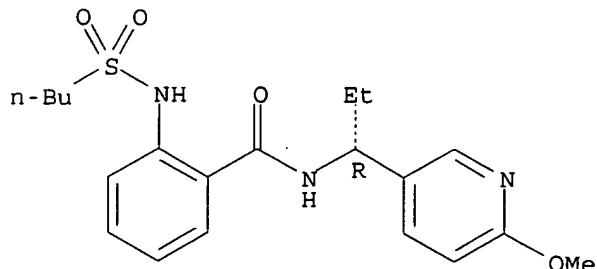
RN 767335-00-2 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]-, compd. with (2-butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone (1:1) (9CI) (CA INDEX NAME)

CM 1

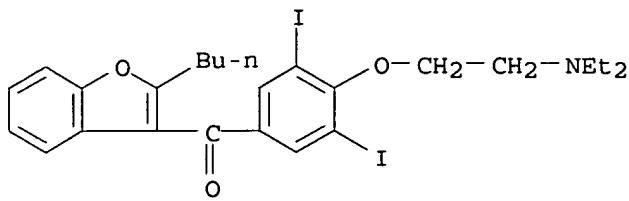
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CMF C20 H27 N3 O4 S

Absolute stereochemistry.



CM 2

CRN 1951-25-3
CMF C25 H29 I2 N O3



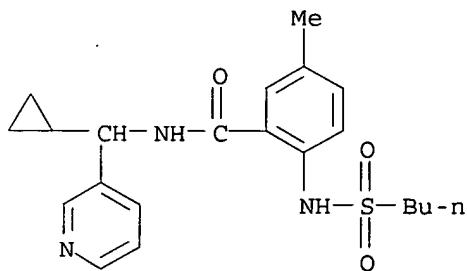
RN 767335-01-3 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl-, compd. with N-[4-[4-(ethylheptylamino)-1-hydroxybutyl]phenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 474450-31-2

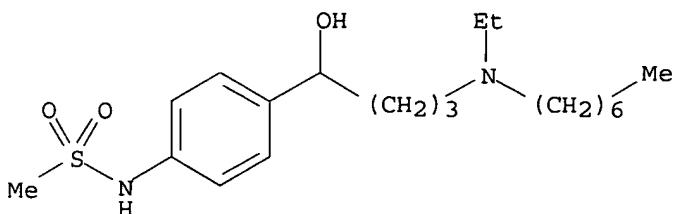
CMF C21 H27 N3 O3 S



CM 2

CRN 122647-31-8

CMF C20 H36 N2 O3 S



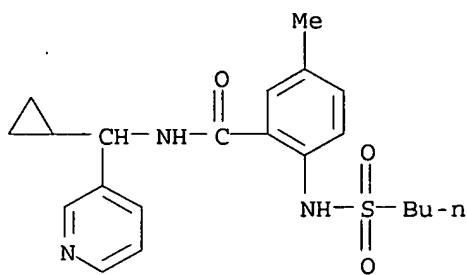
RN 767335-02-4 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl-, compd. with N-[4-[2-[4-[(methylsulfonyl)amino]phenoxy]ethyl]amino]ethylphenyl]methanesulfonamide (1:1) (9CI) (CA INDEX NAME)

CM 1

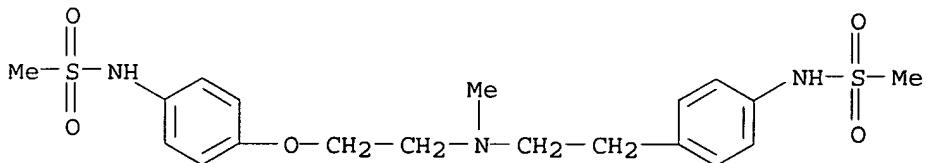
CRN 474450-31-2

CMF C21 H27 N3 O3 S



CM 2

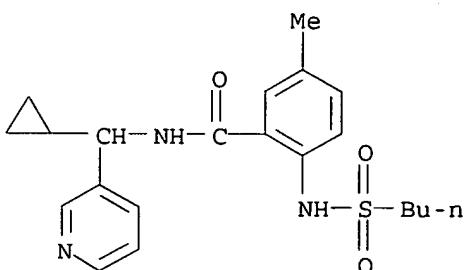
CRN 115256-11-6
CMF C19 H27 N3 O5 S2



RN 767335-03-5 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl-, compd. with (2-butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone (1:1) (9CI) (CA INDEX NAME)

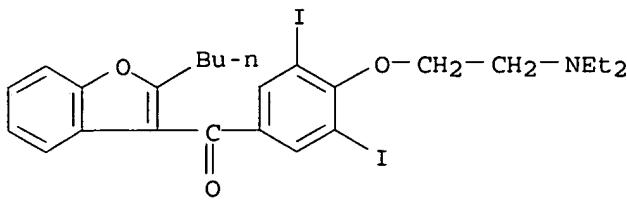
CM 1

CRN 474450-31-2
CMF C21 H27 N3 O3 S



CM 2

CRN 1951-25-3
CMF C25 H29 I2 N O3



L5 ANSWER 3 OF 5 USPATFULL on STN

ACCESSION NUMBER:

2004:248138 USPATFULL

TITLE:

2-(Butyl-1-sulfonylamino)-N-[1(R)-(6-methoxypyridin-3-yl)propyl] benzamide, its use as a medicament, and pharmaceutical preparations comprising it

INVENTOR(S):

Brendel, Joachim, Bad Vilbel, GERMANY, FEDERAL REPUBLIC OF
Goeglein, Heinz, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
Wirth, Klaus, Kriftel, GERMANY, FEDERAL REPUBLIC OF
Kuerzel, Gert Ulrich, Hattersheim, GERMANY, FEDERAL REPUBLIC OF

PATENT ASSIGNEE(S):

Aventis Pharma Deutschland GmbH, Frankfurt am Main, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION:	US 2004192738	A1	20040930
APPLICATION INFO.:	US 2004-796466	A1	20040309 (10)

NUMBER DATE

PRIORITY INFORMATION:	DE 2003-10312073	20030318
	US 2003-492637P	20030805 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: ROSS J. OEHLER, AVENTIS PHARMACEUTICALS INC., ROUTE 202-206, MAIL CODE: D303A, BRIDGEWATER, NJ, 08807

NUMBER OF CLAIMS: 7

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 1 Drawing Page(s)

LINE COUNT: 487

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to 2-(butyl-1-sulfonylamino)-N-[1(R)-(6-methoxy-pyridin-3-yl)propyl]benzamide of the formula I ##STR1##

and to its pharmaceutically acceptable salts, their preparation and use, in particular for the treatment and prophylaxis of atrial arrhythmias, for example atrial fibrillation or atrial flutters.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

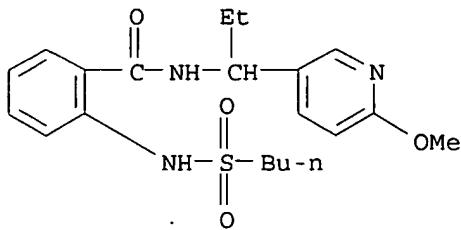
IT 474450-36-7P 767334-89-4P 767334-94-1P

(preparation of 2-(butyl-1-sulfonylamino)-N-[1(R)-(6-methoxy-pyridin-1-yl)propyl]benzamide as a Kv1.5 potassium channel blocker)

RN 474450-36-7 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]-(9CI) (CA INDEX NAME)

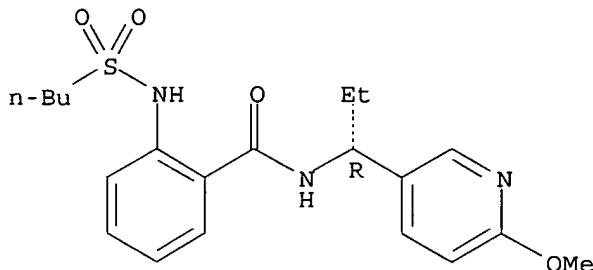
10/796,466



RN 767334-89-4 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1R)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

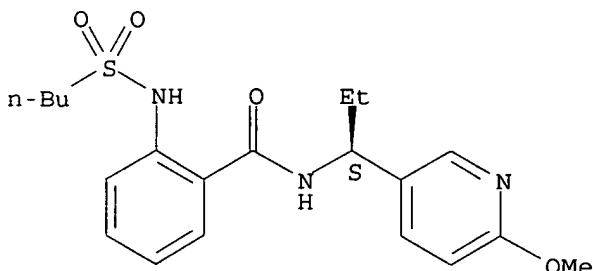
Absolute stereochemistry.



RN 767334-94-1 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[(1S)-1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 4 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:266016 USPATFULL
TITLE: Anthranilamides and methods of their use
INVENTOR(S): Brendel, Joachim, Bad Vilbel, GERMANY, FEDERAL REPUBLIC OF
Pirard, Bernard, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
Peukert, Stefan, Frankfurt, GERMANY, FEDERAL REPUBLIC OF
Kleemann, Heinz-Werner, Bischofsheim, GERMANY, FEDERAL REPUBLIC OF
Hemmerle, Horst, Indianapolis, IN, UNITED STATES

NUMBER KIND DATE

10/796,466

PATENT INFORMATION: US 2003187033 A1 20031002
APPLICATION INFO.: US 2002-132163 A1 20020426 (10)

NUMBER DATE

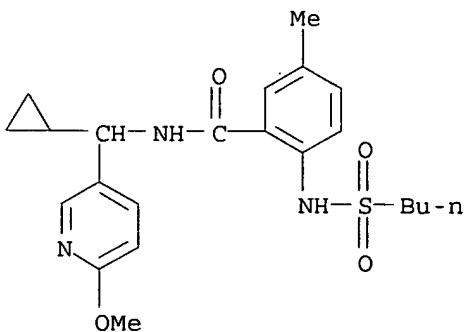
PRIORITY INFORMATION: DE 2001-121003 20010428
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Finnegan, Henderson, Farabow,, Garrett & Dunner,
L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315
NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1
LINE COUNT: 1720
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is related to anthranilamides of formula I,
##STR1##

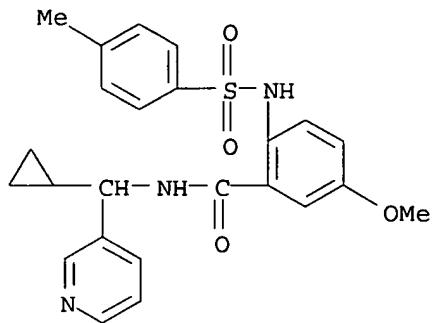
in which R(1) to R(7) have the meanings indicated herein, a process for their preparation, their use as medicaments, and pharmaceutical preparations containing them. The compounds act on the Kv1.5 potassium channel and inhibit a potassium current which is referred to as the ultra-rapidly activating delayed rectifier in the atrium of the human heart. The compounds are therefore suitable for use as novel antiarrhythmic agents for the treatment and prophylaxis of atrial arrhythmias (e.g., atrial fibrillation (AF) or atrial flutter).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 474450-28-7P 474450-30-1P 474450-31-2P
474450-33-4P 474450-36-7P 474450-38-9P
474450-40-3P 474450-43-6P
(preparation of anthranilic acid amides as antiarrhythmics)
RN 474450-28-7 USPATFULL
CN Benzamide, 2-[(butylsulfonyl)amino]-N-[cyclopropyl(6-methoxy-3-pyridinyl)methyl]-5-methyl- (9CI) (CA INDEX NAME)

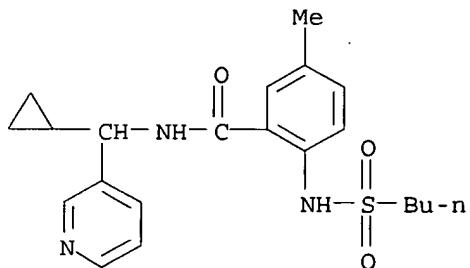


RN 474450-30-1 USPATFULL
CN Benzamide, N-(cyclopropyl-3-pyridinylmethyl)-5-methoxy-2-[(4-methylphenyl)sulfonyl]amino]- (9CI) (CA INDEX NAME)



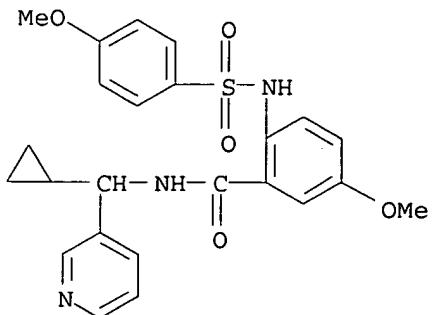
RN 474450-31-2 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-(cyclopropyl-3-pyridinylmethyl)-5-methyl- (9CI) (CA INDEX NAME)



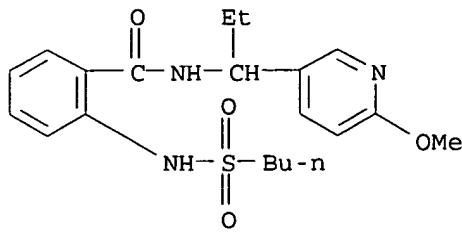
RN 474450-33-4 USPATFULL

CN Benzamide, N-(cyclopropyl-3-pyridinylmethyl)-5-methoxy-2-[(4-methoxyphenyl)sulfonyl]amino- (9CI) (CA INDEX NAME)



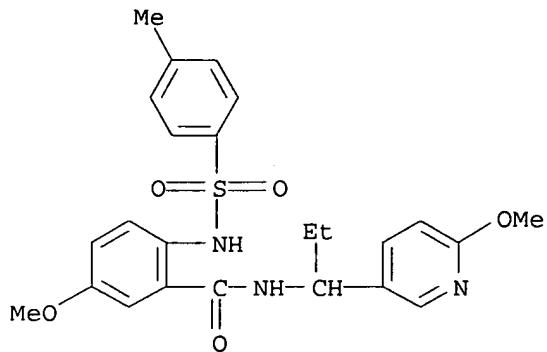
RN 474450-36-7 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-N-[1-(6-methoxy-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



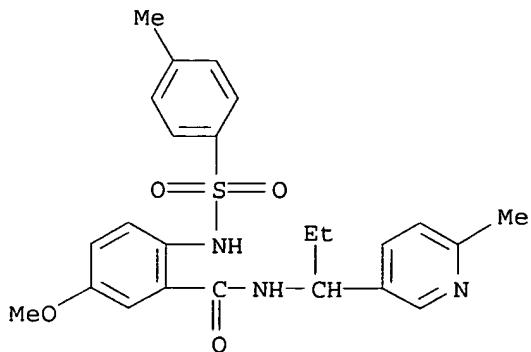
RN 474450-38-9 USPATFULL

CN Benzamide, 5-methoxy-N-[1-(6-methoxy-3-pyridinyl)propyl]-2-[[[4-methylphenyl]sulfonyl]amino]- (9CI) (CA INDEX NAME)



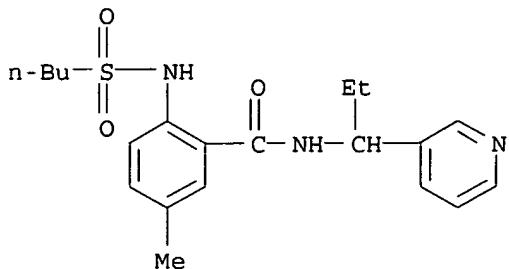
RN 474450-40-3 USPATFULL

CN Benzamide, 5-methoxy-2-[[[4-methylphényl]sulfonyl]amino]-N-[1-(6-methyl-3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



RN 474450-43-6 USPATFULL

CN Benzamide, 2-[(butylsulfonyl)amino]-5-methyl-N-[1-(3-pyridinyl)propyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:166641 USPATFULL

TITLE: Anthranilamides with heteroarylsulfonyl side chain,

process of preparation, and use

INVENTOR(S): Brendel, Joachim, Bad Vilbel, GERMANY, FEDERAL REPUBLIC

OF

Bohme, Thomas, Russelsheim, GERMANY, FEDERAL REPUBLIC

OF

Peukert, Stefan, Frankfurt, GERMANY, FEDERAL REPUBLIC

OF

Kleemann, Heinz-Werner, Bischofsheim, GERMANY, FEDERAL

REPUBLIC OF

NUMBER KIND DATE

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PATENT INFORMATION: US 2003114499 A1 20030619

APPLICATION INFO.: US 2002-166595 A1 20020612 (10)

NUMBER DATE

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PRIORITY INFORMATION: DE 2001-128331 20010612

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: Finnegan, Henderson, Farabow,, Garrett & Dunner,
L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315

NUMBER OF CLAIMS: 20

EXEMPLARY CLAIM: 1

LINE COUNT: 2069

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention encompasses anthranilamides with heteroarylsulfonyl side
chain, process for their preparation, their use as medicament or
diagnostic aid, and pharmaceutical preparations containing them.
Compounds of formula I, ##STR1##

in which R1 to R7 have the meanings stated in the claims, act on the Kv1.5 potassium channel and inhibit a potassium current which is referred to as the ultra-rapidly activating delayed rectifier in the atrium of the human heart. They are therefore suitable as novel antiarrhythmic ingredients, such as for the treatment and prophylaxis of atrial arrhythmias, e.g. atrial fibrillation (AF) or atrial flutter.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

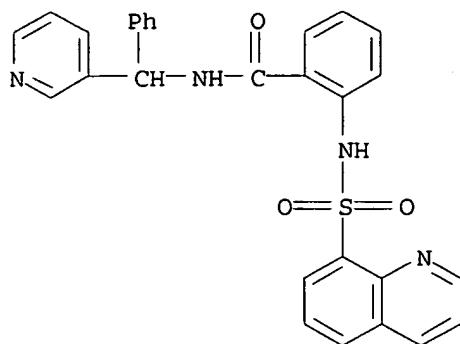
IT 478263-07-9P 478263-12-6P 478263-72-8P

478263-77-3P 478263-84-2P

(drug candidate; preparation of anthranilic acid amides as antiarrhythmics)

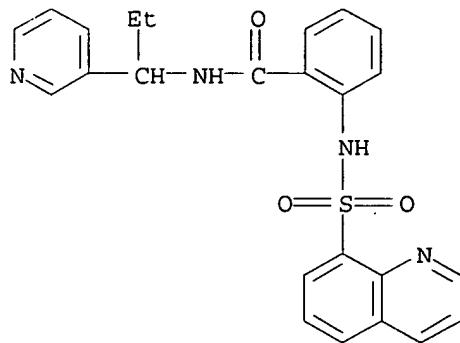
RN 478263-07-9 USPATFULL

CN Benzamide, N-(phenyl-3-pyridinylmethyl)-2-[(8-quinolinylsulfonyl)amino]-
(9CI) (CA INDEX NAME)



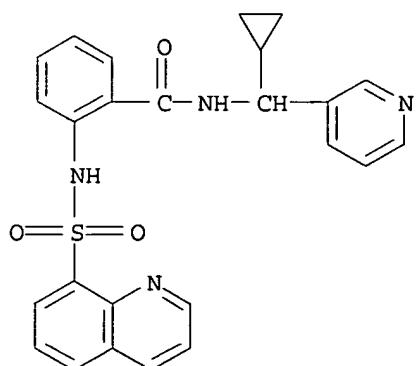
RN 478263-12-6 USPATFULL

CN Benzamide, N-[1-(3-pyridinyl)propyl]-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



RN 478263-72-8 USPATFULL

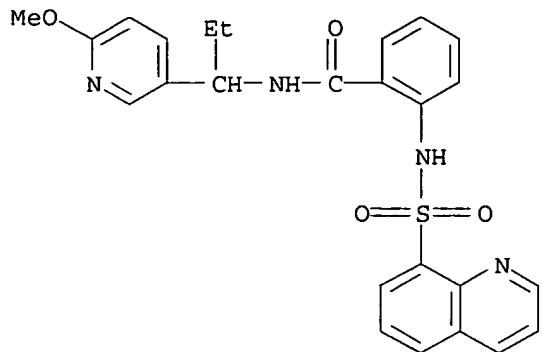
CN Benzamide, N-(cyclopropyl-3-pyridinylmethyl)-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



RN 478263-77-3 USPATFULL

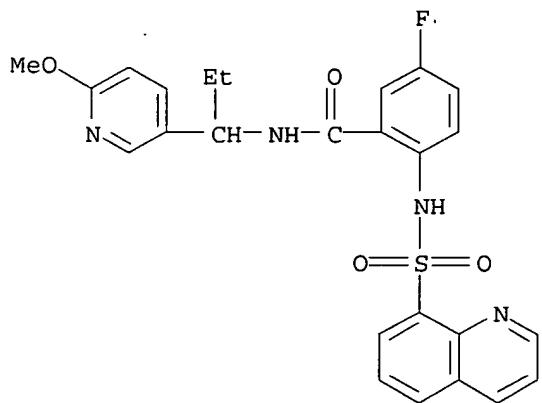
CN Benzamide, N-[1-(6-methoxy-3-pyridinyl)propyl]-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)

10/796, 466



RN 478263-84-2 USPATFULL

CN Benzamide, 5-fluoro-N-[1-(6-methoxy-3-pyridinyl)propyl]-2-[(8-quinolinylsulfonyl)amino]- (9CI) (CA INDEX NAME)



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